

IN THE ABSTRACT

Page 47, beginning at line 2, please delete the paragraph and replace it with the following paragraph:

A mobile station (MS) which can perform confidentiality processing and integrity processing on a data layer. A confidentiality/integrity processing unit is provided among a terminal IF unit, a radio communication control unit, and a radio communication unit. The confidentiality/integrity processing unit performs only the confidentiality processing on transparent data such as speech data transferred between the terminal IF unit and the radio communication unit. The confidentiality/integrity processing unit performs the confidentiality processing and/or the integrity processing on non-transparent data transferred to/from the radio communication control unit. The confidentiality/integrity unit selectively performs the confidentiality processing or the integrity processing on the data of layer output from the radio communication unit based on the data kind.

REMARKS

Favorable consideration of this application, as presently amended, is respectfully requested.

The present preliminary amendment is submitted to correct for minor informalities in the above-identified application. Specifically, by the present preliminary amendment the specification has been amended to correct for minor informalities, Claim 23 has been amended to clarify the terminology, and the Abstract has been amended to be in more proper format under United States practice. Each of the changes made in the present preliminary

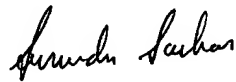
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- amendment are deemed to be self-evident from the originally filed disclosure, and thus are
not deemed to raise any issues of new matter.

The present application is believed to be in condition for a full and thorough
examination on the merits. An early and favorable consideration of the present application is
hereby respectfully requested.

Respectfully submitted,

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IN THE SPECIFICATION

Page 22, lines 14-19, please delete the paragraph and replace it with the following paragraph:

--This method is a variation of OFB (output feedback) mode, which is one of the modes utilizing the block cipher defined by ISO/IEC10116. In OFB mode, even if bit errors occur due to the noise generated on the transmission paths [is mixed in the ciphertext data], the decode processing can prevent the [noise part] bit errors from increasing. For this reason, this mode is often adopted for radio voice communication.--

Page 22, line 20 to page 23, line 1, please delete the paragraph and replace it with the following paragraph:

--The second technique for keeping the security of data is data integrity technique, which detects tampering in the signal information by appending a message authentication code (message authentication code) to the signal information on the radio communication line. This is also called message authentication technique. To implement this data integrity technique, a function for data integrity (hereinafter, referred to as f9) is used. The same encryption algorithm as [F8] f8 is employed in the core part of f9.--

Page 29, lines 15-20, please delete the paragraph and replace it with the following paragraph:

--As data kinds such as speech data are [used] circuit-switched data which remains transparent in the RLC sub-layers, by implementing ARIB defined MT (Mobile Terminal) - TA ([Tarminal] Terminal Adaptor) I/F (Figs. 22, 23) as the serial interface for this transport model, it becomes possible to perform confidentiality processing on the MA-TA I/F serial formats without any conversion.--

IN THE CLAIMS

Please amend Claim 23 as follows:

--23. (Amended) The radio communication apparatus of claim 19, wherein the radio communication apparatus is a portable mobile phone.--

IN THE ABSTRACT

Page 47, beginning at line 2, please delete the paragraph and replace it with the following paragraph:

--[The present invention aims to provide a] A mobile station (MS) [100] which can perform confidentiality processing and integrity processing on a data layer [2 or upper]. A confidentiality/integrity processing unit [40] is provided among a terminal IF unit [10], a radio communication control unit [20], and a radio communication unit [30]. The confidentiality/integrity processing unit [40] performs only the confidentiality processing on transparent data such as speech data transferred between the terminal IF unit [10] and the radio communication unit [30]. The confidentiality/integrity processing unit [40] performs the confidentiality processing [or/and] and/or the integrity processing on non-transparent data transferred to/from the radio communication control unit [20]. The confidentiality/integrity

unit [40] selectively performs the confidentiality processing or the integrity processing on the data of layer [2 or upper] output from the radio communication unit [30] based on the data kind.--

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